

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Dolly et al )  
 )  
 Serial No.: Not yet assigned )  
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 Filed: Herewith )  
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 For: MODIFICATION OF )  
 CLOSTRIDIAL TOXINS FOR USE )  
 AS TRANSPORT PROTEINS )  
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 )  
 Examiner: Not yet assigned )  
 )

Group Art Unit: Not yet assigned

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail (Label No. EL385493165US) Mail in an envelope addressed to: Box Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231 on:

Date of Deposit: 9/28/00  
 Person making Deposit: CARLOS FISHER  
 Signature: \_\_\_\_\_  
 Date of Signature: \_\_\_\_\_

JC564 U.S. PTO  
 09/676053  
 09/28/00

INFORMATION DISCLOSURE STATEMENT

Box Patent Application  
 Assistant Commissioner for Patents  
 Washington, D.C. 20231

Dear Sir:

Applicant herewith submits forms PTO 1449 for consideration by the Examiner, consistent with the provisions of 37 CFR § 1.97 and 1.98. By submitting this Information Disclosure Statement, Applicant makes no admission that any item listed thereupon is material to the patentability of the invention claimed in the above-entitled patent application. Further, Applicant makes no assertion hereby that a search was conducted, or if conducted, that any search was thorough.

Pursuant to 37 CFR § 1.98(d), copies of any patent publication or other information are not required to be provided if they were previously cited by or submitted to the Patent and Trademark Office in a prior application to which priority is claimed under 35 USC § 120.

17044DIV1(AP)

PATENT

Applicant respectfully requests that the Examiner indicate consideration of the presently cited references by returning the enclosed Form 1449 bearing the Examiner's initials and the date. No fee or certification is thought to be required, pursuant to 37 CFR §1.97(b). If Applicant is in error in this regard, please use Deposit Account 01-0885 for payment of any fee that may be due.

Respectfully submitted,

Date: 11/11/01

Carlos A. Fisher  
Carlos A. Fisher  
Reg. No. 36,510  
ALLERGAN, INC.  
T2-7H  
2525 Dupont Drive  
Irvine, CA 92612  
Tel: 714-246-4920  
Fax: 714-246-4249

FORM PTO-1449 U.S. DEPARTMENT OF  
COMMERCE  
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

MODIFICATION OF CLOSTRIDIAL TOXINS  
FOR USE AS TRANSPORT PROTEINS

ATTY. DOCKET NO.  
17044DIV1 (AP)

SERIAL NO.  
Not Assigned

APPLICANT  
Dolly, et al.

FILING DATE  
Submitted herewith

GROUP  
Not Assigned

10564 U.S. PTO  
09/676053



**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
AA	5 2 0 4 0 9 7	4/93	Amon et al			
AB	4 5 9 4 3 3 6	6/86	Bizzini			
AC	5 4 4 3 9 7 6	8/95	Carroll			
AD	5 4 3 7 2 9 1	8/95	Pasricha et al			
AE	5 5 1 2 5 4 7	4/96	Johnson et al			
AF	5 5 6 2 9 0 7	10/96	Amon			
AG	5 6 5 0 2 8 0	7/97	Stuart et al			
AH	4 7 1 3 2 4 0	12/87	Wilkins et al			
AI	5 5 9 9 5 3 9	2/97	Carroll et al			
AJ	5 6 0 1 8 2 3	2/97	Williams et al			
AK	5 7 1 9 2 6 7	2/98	Carroll et al			
AL	5 7 2 1 2 1 5	2/98	Aoki et al			
AM	5 5 8 5 1 0 0	12/96	Mond et al			
AN	5 6 7 4 2 0 5	10/97	Pasricha et al			
AO	5 7 6 2 9 3 4	6/98	Williams et al			
AP	5 8 1 4 4 7 7	9/98	Williams et al			
AQ	5 7 2 1 2 1 5	2/98	Aoki et al			
AR	5 9 6 5 6 9 9	10/99	Schmidt et al			
AS	5 7 3 6 1 3 9	4/98	Kink et al			
AT	5 6 9 3 4 7 6	12/97	Scheller			
AU	5 9 5 5 3 6 8	9/99	Johnson et al			
AV	5 9 1 9 6 6 5	7/99	Williams			

EXAMINER

DATE CONSIDERED

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  MODIFICATION OF CLOSTRIDIAL TOXINS FOR USE AS TRANSPORT PROTEINS	ATTY. DOCKET NO. 17044DIV1 (AP)	SERIAL NO. Not Assigned
	APPLICANT Dolly, et al.	
	FILING DATE Submitted herewith	GROUP Not Assigned

U.S. PATENT DOCUMENTS														
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)	
FOREIGN PATENT DOCUMENTS														
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	CA	9	4	2	1	3	0	0	9/29/94	PCT				
	CB	0	2	5	4	9	0	5	3/2/88	EPO				
	CC	9	4	0	0	4	8	7	1/94	WO				
EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)													
	DA	Li, Yan et al., "A Single Mutation in the Recombinant Light Chain of Tetanus Toxin Abolishes Its Proteolytic Activity and Removes the Toxicity Seen After Reconstitution with Native Heavy Chain", <i>Biochemistry</i> (1994), 33(22), 7014-20 CODEN: Bichaw; Issn: 0006-2960												
	DB	Fairweather, Neil F. et al., "Production of Biologically Active Light Chain of Tetanus Toxin in Escherichia Coli. Evidence for the Importance of the C-Terminal 16 Amino Acids for Full Biological Activity", <i>FEBS LETT.</i> (1993), 323(3), 218-22 CODEN: FEBLAL; ISSN: 0014-5793, June, 1993, pp 218-222.												
	DC	De Paiva et al., <i>J. Biol. Chem.</i> 268:20838 (1993)												
	DE	Weller et al., <i>Eur. J. Biochem.</i> 182:649 (1989)												
	DF	Habermann et al., <i>Naunyn-Schmiedeberg's Arch. Pharmacol.</i> 311:33 (1980)												
	DG	Bizzini et al, <i>Journal of Neurochemistry</i> , 1977, Vol. 28, pp. 529-542, "An Antigenic Polypeptide Fragment Isolated From Tetanus Toxin: Chemical Characterization, Binding To Gangliosides and Retrograde Axonal Transport in Various Neuron Systems"												
	DH	Dertzbaugh et al, <i>Vaccine</i> 14/6: 1538-44, 1996												
	DI	Thompson et al, <i>Eur. J. Biochem.</i> 189:73-81, 1990												
	DJ	Kozaki et al, <i>Microbiol. Immunol.</i> 39/ 10: 767-774, 1995												
	DK	Binz et al <i>JBC</i> , 265/16: 9153-9158, 1990												
	DL	Wadsworth et al, <i>Biochem. J.</i> , 268: 123-128, 1990												
	DM	Pellizzari et al, <i>Phil. Trans. R. Soc. Lond.</i> 354: 259-268, 1999												
	DN	Daniels-Holgate et al, <i>J. Neurosci. Res.</i> 44: 263-271, 1996												
	DO	Dolly, Gov't. Reports Announcements & Index (GRA&I) Issue 07, entire report, 1989												
	DP	Poulani et al, <i>Advances in Organ Biology</i> Vol 2: 285-313, 1997												
EXAMINER										DATE CONSIDERED				

\*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.